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"Independent in All Things."

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The Arizona Sentinel

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BY

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Advertisements.

Legal notices, \$2.50

Special rates made known on application.

THE ARIZONA SENTINEL,

Yuma, Arizona.

THIS APERTURE may be found on the left side of the paper.

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The Fairs of 1879 and of 1892.

General Francis A. Walker in the Forum.

The opportunity which is offered by the occurrence of the fourth centenary of the discovery of America, is one which the nation ought to be the sentiment of American nationality. Men have said, and not foolishly, that the war of secession could never have occurred at all had it been postponed until after 1876. It is certain that the centennial exhibition was a mighty force making, not for centralization, but for national unity. The acquaintance which was formed at Philadelphia in that year between widely separated sections and classes has had a prodigious influence upon the subsequent life of the country. Yet the celebration of 1876 was but a trivial thing in this respect to what the celebration of 1892 may be made, if properly inaugurated and carried on, with the prestige and the resources of the now most powerful nation upon earth. The Philadelphia enterprise was in its inception almost wholly of local interest. During the first ninety-eight days, the number of admissions was 3,769,526; during the remaining sixty-one days, the number was 6,140,640. A large portion of our people did not find out until the exhibition was well nigh its close, that they greatly cared to go. An even larger portion did not find this out at all until it was too late. But to-day the minds of our people are prepared to take all that may be offered; and the celebration of 1892 will begin where that of 1876 left off; or rather it will begin with a prestige and a force derived not merely from the ultimate success of the Philadelphia exhibition, but from the same which that success has acquired through revolving years.

Recommendations S. S. S. and Spring Tonic.

I take pleasure in recommending Swift's Specific (S. S. S.) as a Blood Purifier, and general tonic. It has no equal for toning up the system, purifying the blood, and bracing up the flagging energies in the spring. Three bottles of this wonderful medicine made a new man of me.

JOHN L. HUFF, Girard, Ill.

Scrofula Cured.

Mr. S. I. Brooks, of Monticello, Ga., writes: "When the best physicians failed to cure a case of Scrofula of two years' standing, a few bottles of Swift's Specific (S. S. S.) did the work. Therefore I do not hesitate to pronounce S. S. S. the best blood purifier in the land. I cheerfully recommend it to all who are suffering from impure blood."

Treatise on Blood and Skin Diseases mailed free.

SWIFT SPECIFIC CO., Atlanta, Ga.

Col. Chalmers Scott, the well-known civil engineer, who for many years has been identified with the Southern Pacific railroad company in its interests in Southern California, passed through here last week on his way from New York and Washington to his home in San Diego. Colonel Scott is spoken of as the coming chief engineer of the American syndicate which will probably succeed the old International, of Mexico, and the new Mexican Land and Colonization Company, under the leadership of Sir Edward Jenkinson, which on account of the charges made by the "filibusters," it is said, sees fit to sell out or transfer its franchise to a new syndicate of American capitalists.

Colonel Scott is well posted on Lower California affairs, and is well calculated to take the place of the late Maj. Buchanan Scott, R. E., who for two years was chief engineer and general manager of the company, who died on his way to his way to his regiment in India. He was one of Major Scott's best and most intimate friends, and will make an able and efficient officer.

After the Engagement.

"Did he get on his knees?"

"No he couldn't."

"Why not?"

"I got there first."—Puck.

THE PULSION TELEPHONE.

A Mechanical Invention of Great Commercial Importance.

A new mechanical telephone of extraordinary power has recently been exciting considerable attention in London and some other cities and towns in this country, writes a correspondent of Nature. It is of American origin, like so many other modern improvements of exceptional character, being the invention of one Lemuel Mellet, I believe, of Boston. There have been many previous mechanical telephones, as your readers are aware, some of which have obtained much publicity for a short time, and then have been heard of but little more; but having had an opportunity of experimenting frequently with the new instrument and observing its vocal power, so to speak, under very various circumstances, I can not doubt it has a great future before it.

It may be clearly stated at once that the pulson instrument is absolutely independent of all electrical aids or appliances, and therefore needs neither battery power to bring it into play, nor insulation of any of its parts to keep them effective. It consists solely of two cheap and simple instruments connected by an ordinary non-insulated wire of copper, or, better still, of a double steel wire, the two parts being slightly intertwined, say with about a single turn in a couple of feet. The wire (or wires) is simply looped to the instrument at either end, the connection being made in a few seconds. The instrument consists of a disk in combination with a series of small spiral springs inclosed in a case of some three or four inches in diameter. These springs, arranged in a manner that has been determined by experiment, and so as to produce harmonized vibrations, appear to possess the power of magnifying or accumulating upon the wire the vibrations which the voice sets up in the disk, and the wire seems to possess—undoubtedly does possess—the power of transmitting to great distances, and giving out upon a second pulson instrument the sounds of the voice.

The ability of this simple system of springs, disks and wires to convey conversational and other sounds to considerable distances with great clearness and distinctness, reproducing the very tones of the voice and the qualities of musical sounds with but little reduction or modification, is most surprising, and to none more so than to the many men of science who have been recently experimenting with it.

The writer of this notice can not, perhaps, do better than state his own experiences with this system. After examining and experimenting over several short lengths of wire, some of them exceeding a mile and a half, he last week went to the Finchley Road Station of the Midland railway, from a point near to which a line had been conveyed to near the Welsh Harp Station, a distance of three miles by the line of railway, and of more by the track of the wire, which for the larger part was carried by the telegraph poles, to which it was attached by very simple means. Conversation through this length of line, of over three miles, was exceedingly easy; indeed, so powerfully was the voice transmitted that an ordinary hat sufficed for all the purposes of the second instrument, without going near to which conversation was carried on repeatedly by means of the hats of three gentlemen who were present, the tops of which were merely placed against the telephone wire.

I then went into the garden of the "Welsh Harp," where a short length of wire had been led between two points, the wire on its way from one point to the other being twice tightly twisted, at an interval of some yards, round small branches of trees of about one inch in diameter, being wound round and round the branch three times in each case. Strange to say, this tight twisting of the wires round the branches in no way interfered with the transmission of the voice from end to end of the wire.

A third and last experiment was made with a wire laid over the Welsh Harp lake, and allowed to sink to and rest upon the lake bottom. The length of the line was roughly estimated at about one-third of a mile, and from end to end (excepting a few yards at each end where the wire was led from the water's edge to the telephone box) the wire was completely immersed, and without any other support than the bottom of the lake offered it. Yet, notwithstanding this immersion of the whole wire, conversation was carried on through it by means of the pulson instruments without the least difficulty. In fact, the voice came through the immersed wire, and the longest wire (of over three miles) previously mentioned, with greater purity and mellowness than through shorter lengths.

He Couldn't Exactly Tell.

A late respected general manager of the St. Paul road on one occasion appeared at the repair shops of the company in this city, says the Milwaukee Wisconsin, and, becoming interested in the work of one of the mechanics, remarked: "Young man, it seems to me you are not doing that correctly." The workman looked up with supreme contempt at the stranger and replied promptly: "It's none of your business, you blamed idiot." This nettled the old man, and in a voice trembling with age he paralyzed the mechanic with "Yes, sir, it is my business. Put the manager of this road." "Excuse me," responded the poor fellow, "I was not aware of the fact; but you see when a damned fool comes around here we can't tell whether he is the manager or nobody." The old gentleman saw the point and passed on.

A Cure for Indigestion.

The New York Board of Health furnishes the following prescription for indigestion: Sprinkle the affected membrane with a ten-per-cent solution of quinine freely and frequently, and take four or five times a day a pill made as follows: Quinine, three grains; jalap, one-half grain; extract of sassafras, one-fourth grain.

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The Usual Result.

It is not to be denied that a good sewing machine is one of the most important appurtenances of the modern household.

We thought we had a good machine until one day the agent of the New Home presented himself at our door and proceeded to deliver an oration upon its characteristic merits.

"But," we answered, "our machine suits us well and we do not care for another."

The agent, however, begged the privilege of leaving one of his machines with us for the ladies to try.

The request was not unreasonable, so we granted it—but more to oblige the agent than anything else; for we really did not want the machine, and has not the remotest idea of buying it.

The machine once in the house, it was natural that the ladies should look it over; they did so, and as a consequence fell in love with it. They say that without the slightest wish to decry or disparage any other machine, this, all things considered, is in their opinion, the most desirable one to be had.

This unrivaled machine is manufactured by the New Home Sewing Machine Co., Orange, Mass. and 725 Market St., San Francisco, Cal.

"Royal gallery of poetry and art"

is the title of a sumptuous Royal Quarto Volume of 542 pages devoted to selections from the wide range of English literature, history, prose and poetry, made by skillful and sympathetic hands. Its value is enhanced by short biographies of each of the 400 standard authors, whose productions it contains. A prominent feature of wonderful beauty, interest and attractiveness is found in its nearly 400 superb illustrations. The combined result is an inexpensive, yet elegant volume (retailing for \$3.50 and \$4.50 in choice bindings) which introduces us to the best company the world has ever known. The work is sold by subscription only, and its rare artistic as well as great literary and historic value, are at once recognized and appreciated by agent and subscriber alike, making it a sure sale for beginners as well as more experienced canvassers. For terms or agency apply to the J. Dewing Company, 813 Market St.

GRAND DRAWING

OF THE

Loteria de la Beneficencia Publica

OF THE

STATE OF ZACATECAS, MEXICO.

A syndicate of capitalists have secured the concession for operating this

LOTTERY.

and will extend its business throughout the United States and British Columbia.

Below will be found a list of the prizes which will be drawn on

Aug. 27, 1890,

ZACATECAS, MEXICO,

and continued monthly thereafter.

CAPITAL \$150,000.00

PRIZE, 100,000 Tickets at \$10.00; Halves, \$5.00; Tenth, \$1.00; American Currency.

LIST OF PRIZES:

1 PRIZE OF \$150,000 is \$150,000

1 PRIZE OF 50,000 is 50,000

1 PRIZE OF 25,000 is 25,000

3 PRIZES OF 10,000 are 30,000

2 PRIZES OF 5,000 are 10,000

5 PRIZES OF 2,000 are 10,000

10 PRIZES OF 1,000 are 10,000

20 PRIZES OF 500 are 10,000

200 PRIZES OF 200 are 40,000

300 PRIZES OF 150 are 45,000

500 PRIZES OF 100 are 50,000

APPROXIMATION PRIZES:

150 PRIZES OF \$150 are \$22,500

150 PRIZES OF 100 are 15,000

150 PRIZES OF 50 are 7,500

900 Terminal Prizes of 50 are 45,000

2492 \$524,850

CLUB RATES: 6 Tickets for \$50.00.

SPECIAL RATES ARRANGED WITH AGENTS.

AGENTS WANTED in every town and city in United States and British America.

The payment of Prizes is guaranteed by a special deposit of five hundred thousand dollars (\$500,000), with the State Government, and approved by Jesus Arechiga, Governor.

Drawings under the personal supervision of Lie. Herminio Arteaga, who is appointed by the Government as Interventor.

"I certify that with the State Treasurer all necessary guarantees are deposited, assuring full payment of all prizes of this drawing."

HERMINIO ARTEAGA, Interventor.

IMPORTANT.

Remittances must be either by New York Draft, Express or Registered Letter, American money. Collections can be made by Express Companies or Banks. Ticket sent direct to management will be paid by drafts on New York, Montreal, St. Paul, Chicago, San Francisco or City of Mexico. For further information address

JUAN PIEDRA, Manager, Zacatecas, Mexico.

Apartado 15.

Redondo & Redondo,

Proprietors

OF THE

FRENCH MARKET.

The finest quality of Fresh Meats

always to be had.

Choice Cuts to order.

Two doors north of the Post Office.

MAIN ST., YUMA.

THE

IDENTICAL SALOON,

Corner of Main and Second Streets.

Yuma, A. T.

First-class Whiskies, Wines and Brandies always on hand.

CHOICE

KEY WEST

CIGARS.

Cosy Club-rooms and Billiard Parlors Attached.

J. W. SWART,

Proprietor.

THE

"ARKANSAW."

IAEGER & NEHR PROPRIETOR.

The Popular Resort,

THE FINEST LIQUORS, WINES

AND CIGARS.

PRIVATE CARD ROOMS.

BILLIARD PARLORS.

Everything First-Class.

MAIN ST., YUMA.

YUMA EXCHANGE,

C. V. MEEDEN, PROP.

MAIN STREET, near S. P. R. R. Depot